Hari Shankar Limbu(Ashok)

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GitHub | LinkedIn | Personal Website

PROFESSIONAL EXPERIENCE

Compass Decisions Science, Inc. NJ, USA (Remote) **June 2026 – Present**

Software Engineer (Consultant)

- Integrated Google Tasks API and Google Calendar for seamless task scheduling and time management.
- Developed benchmark and taxonomy modules for analyzing student needs and recommending task steps.
- Leveraged LLMs to break down complex tasks and developed a custom internal algorithm to recommend suitable time slots for task placement.
- Developed a Progressive Web App (PWA) featuring user-friendly responsiveness, task completion tracking, and automated calendar writing functionalities.

TEJ Center Pvt. Ltd. Lalitpur, Nepal **Jan 2026 – June 2026**

Jr. Software Engineer

- Developed a medication reminder application using React Native CLI and TypeScript.
- Architected notification scheduling system with SQLite logging for reliable delivery tracking and offline persistence.
- Built a real-time sync system between SQLite and Supabase for live medication tracking by caregivers.

TEJ Fellowship Lalitpur, Nepal **Jul 2025 – Dec 2025**

Software Engineer Fellow

- Completed Full Stack Open (University of Helsinki), gaining experience through 7 real-world full-stack projects.
- Build solid problem-solving and teamwork skills through hands-on experience.

SKILLS

Languages & Web: JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, NativeWind
Frameworks & Backend: React, React Native, Node.js, Express, REST APIs, JWT/OAuth, MVC/Clean Architecture
Databases: MongoDB, PostgreSQL, SQLite, Redis
Tools & Version Control: Git, GitHub, Docker, Postman, n8n, Artillery, GitHub Actions (CI/CD pipeline)

PROJECTS

PayPal Support Agent (AI Chatbot)

- Developed a real-time RAG chat system featuring an end-to-end custom knowledge base, from web scraping and data cleaning to generating embeddings and vector database storage
- Integrated hybrid search (combining semantic and lexical search) alongside Model Context Protocol (MCP) to power specialized tools for currency conversion, fee calculation, status tracking, and real-time policy web-scraping.

Facebook NewsFeed Clone

- Built a scalable Facebook Newsfeed System using Pull Model Architecture, integrating Docker containerization for Redis and backend services, along with Kafka messaging, PostgreSQL optimization, and load testing for high-performance backend systems.

IV-Drip Monitoring System (Undergraduate Major Project)

- Developed an IoT-based real-time IV-drip monitoring and alerting system combining hardware and software integration, featuring live status monitoring capabilities and utilizing MongoDB for efficient database management.

EDUCATION & CERTIFICATIONS

University of Helsinki, Finland — *Full Stack Open Course (Certificate)* **Jul 2025 – Dec 2025**

Institute of Engineering, Dharan **2021 – 2025**
Bachelor in Electronics, Communication and Information Engineering
Registered Engineer, NEC